

ABSTRACT

A subject matter of the invention is a batchwise process for the manufacture of an optical fiber made of polymers, the core of the fiber being based on methyl methacrylate. This process is carried out in an in-line plant leaktight with respect to the outside ranging from a device for the purification of the starting materials to a spinning device, involving the intermediacy of an intermediate storage region. The core of the fiber is prepared from beads of a polymer based on purified methyl methacrylate obtained by aqueous suspension polymerization.

Another subject matter of the invention is an in-line plant for the implementation of this process.